Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Southern Energy California, Potrero Power Plant
Facility #A0026

Facility Address:
1201 Illinois Street
San Francisco, CA 94107

Mailing Address:
1201 Illinois Street
San Francisco, CA 94107

Primary Responsible Official	Secondary Responsible Official	Facility Contact
Mark A. Gouveia	Ronald M. Kino	Michael Lyons
Production Manager	Environmental, Health and Safety Manager	Plant Manager
(925) 427-3510	(925) 427-3545	(415) 695-2607

Type of Facility: Electric Generation
Primary SIC: 4911
Product: Electricity

BAAQMD Permit Division Contact:
Weyman Lee

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Ellen Garvey
Ellen Garvey, Executive Officer/Air Pollution Control Officer

September 14, 1998
Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 11/3/93);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 11/10/82);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 6/7/95);

SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 6/23/95);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/7/95);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 10/19/84); and

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 6/15/94).

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit expires on September 14, 2003. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than March 14, 2003 and no earlier than September 14, 2002. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after September 14, 2003** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)

2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated non-

I. Standard Conditions (continued)

compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)

6. This permit does not convey any property rights of any sort, nor any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)

7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)

8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)

9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)

10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

I. Standard Conditions (continued)

All required monitoring reports must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
U.S. EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will

I. Standard Conditions (continued)

thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)

2 The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit caused by conditions beyond the permit holder's reasonable control by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval. (MOP Volume II, Part 3, §4.8)

3. Notwithstanding the foregoing, the granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement unless the Major Facility Review Permit has been modified pursuant to Regulation 2, Rule 6. (MOP Volume II, Part 3, §4.8)

I. Severability

1. In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Conditions to Implement Regulation 2, Rule 7, Acid Rain

1. Every year starting January 30, 2000, the permit holder shall hold one sulfur dioxide allowance on January 30 for each ton of sulfur dioxide emitted during the preceding year from January 1 through December 31. (MOP Volume II, Part 3, §4.9)
2. The equipment installed for the continuous monitoring of CO2 and NOx shall be maintained and operated in accordance with 40 CFR Parts 72 and 75. (Regulation 2-7, Acid Rain)
3. A written Quality Assurance program must be established in accordance with 40 CFR Part 75, Appendix B for NOx which includes, but is not limited to: procedures for daily calibration testing, quarterly linearity testing, record keeping and reporting implementation, and relative accuracy testing. (Regulation 2-7, Acid Rain)
4. The permit holder shall monitor SO2 emissions in accordance with 40 CFR Part 72 and 75. (Regulation 2-7, Acid Rain)
5. The permit holder shall submit quarterly Electronic Data Reports (EDR) to EPA for Boiler, S-1. These reports must be submitted within 30 days following the end of each calendar quarter and shall include all information required in § 75.64. (40 CFR Part 75)

II. EQUIPMENT LIST

A. Permitted Source List

Each of the following sources has been issued a Permit to Operate pursuant to the requirements of BAAQMD Regulation 2-1-302.

Table II-A

S-#	Description	Make or Type	Model	Design Capacity
S-1	Boiler No. 3-1 Electric Generation; Gas and Oil Fired	Riley Stoker Corporation	Turbo Furnace	2150 MMBTU/hr
S-10	Gas Turbine Unit No. 4 - Engine "A" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26 MW
S-11	Gas Turbine Unit No. 4 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26 MW
S-12	Gas Turbine Unit No. 5 - Engine "A" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26 MW
S-13	Gas Turbine Unit No. 5 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26 MW
S-14	Gas Turbine Unit No. 6 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26 MW
S-15	Gas Turbine Unit No. 6 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26 MW
S-27	Oily Water Separator	Eimco	Process Type SB	200 gal/min
S-50	Paint Spraying, Facility-Wide	various spray guns		
S-51	Wipe Cleaning, Facility-Wide	custom design		
S-52	Abrasive Blasting Facility	custom design		20' x 20' x 50'
S-53	Hopper and Cleaners	Clemco	custom designed	
S-54	Conveyor System	custom design		

II. Equipment List (continued)

B. Abatement Device List

Table II-B

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-52	Dust Collector Device	S-52, S-53, S-54	Regulation 6-301	Dust Collector shall operate during all times of operation with a outlet grain loading no greater than 0.002 grain/dscf	0.002 gr/dscf

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s):
   The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP:
   The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

Where an applicable requirement is a SIP requirement, the full language of the SIP requirement is included in Appendix A of this permit.

NOTE:
There are differences between current BAAQMD rules and versions of the rules in the SIP. For specific information, contact the District's Planning and Research Division. All sources must comply with both versions of a rule until the U.S. EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table III

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (11/3/93)	N
SIP Regulation 1	General Provisions and Definitions (11/10/82)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (11/2/94)	N
SIP Regulation 5	Open Burning (5/3/84)	Y

III. Generally Applicable Requirements (continued)

Table III (continued)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (5/3/84)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (12/20/95)	N
BAAQMD Regulation 9, Rule 1	Sulfur Dioxide	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
AB 2588	California Assembly Bill 2588 Toxics “Hot Spots”	N
40 CFR Part 61, Subpart M	National Emission Standards Hazardous Air Pollutants, Asbestos	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s):
   The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP:
   The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. Additionally, where an applicable requirement is a SIP requirement, the full language of the SIP requirement is included in Appendix A of this permit. All other text may be found in the regulations themselves.

Table IV-A
S-1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (11/3/93)**		
1-520	Continuous Emission Monitoring	Y	
1-520.1	Steam Generators Rated 250 MMBTU or More Per Hour	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
SIP Regulation 1	**General Provisions and Definitions (11/10/82)**		
1-541	Emission Excesses	Y[1]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	N	
6-302	Opacity Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
6-401	Appearance of Emissions	Y	
6-501	Sampling Facilities and Instruments Required	Y	
6-502	Data, Records and Reporting	Y	
SIP Regulation 6	**Particulate Matter and Visible Emissions**		
6-301	Ringelmann Number 1 Limitation (9/5/79)	Y[1]	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission Limitation	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (5/3/84)**		
9-1-301	Limitations on Ground Level Concentrations	Y[1]	
BAAQMD Regulation 9, Rule 3	**Inorganic Gaseous Pollutants, Nitrogen Oxides From Heat Transfer Operations (3/17/82)**		
9-3-301	Existing Heat Transfer Operation Limits	N	
9-3-302	Different Fuels in Existing Heat Transfer Operations	N	
BAAQMD Regulation 9, Rule 11	**Inorganic Gaseous Pollutants, Nitrogen Oxides and Carbon Monoxide From Utility Electric Power Generating Boilers (11/15/95)**		
9-11-111	Exemption, Startup or Shutdown	Y	
9-11-112	Exemption, Oil Testing	Y	
9-11-302	Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	Y	
9-11-302.1	NOX limits, limitation on non-gaseous fuel firing	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-11-308	System-wide NOx Emission Rate Limit	Y	
9-11-309	Advanced Technology Alternative Emission Control Plan	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.160 lb/MMBTU	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.115 lb/MMBTU	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.105 lb/MMBTU	N	1/1/00
9-11-309.1	System-wide NOx Emission Rate Limits: 0.057 lb/MMBTU	N	1/1/02
9-11-309.1	System-wide NOx Emission Rate Limits: 0.037 lb/MMBTU	N	1/1/04
9-11-309.1	System-wide NOx Emission Rate Limits: 0.018 lb/MMBTU	N	1/1/06
9-11-309.2	Boilers in Startup or Shutdown; Boilers Taken Out of Service; Boilers on Force Majeure Natural Gas Curtailment; and Oil Testing	N	
9-11-310	CO Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	
9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	Upon installment of an applicable emission control device
9-11-401	Compliance Schedule - Emissions Limits	Y	
9-11-402	Initial and Annual Demonstration of Compliance	Y	
9-11-501	Fuels Monitoring	Y	
9-11-502	Modified Maximum Heat Input Capacity	Y	Upon physical modification affecting max. heat input
9-11-503	Emissions Monitoring	Y	
9-11-504	Records	Y	
9-11-505	Reporting Requirements	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 11, Rule 1	**Hazardous Pollutants, Lead (3/17/82)**		
11-1-301	Daily Limitation	Y	
11-1-302	Ground level Concentration Limit Without Background	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR Part 72	**Title IV – Acid Rain Program**	Y	
40 CFR Part 75	**Code of Federal Regulations, Continuous Emissions Monitoring**	Y	
BAAQMD Condition #16328	**Permit Conditions**		
Condition 1	Applicability of "electric power generating system" and "systemwide NOx emission rate" (Basis: CEQA)	N	
Condition 2	Limitation on Non-gaseous Fuel Firing (Basis: CEQA)	N	
Condition 3	Systemwide NOx Emission Rate Limit of 0.188 lb/MMBTU (Basis: CEQA)	N	
Condition 3	Systemwide NOx Emission Rate Limit of 0.160 lb/MMBTU (Basis: CEQA)	N	
Condition 3	Systemwide NOx Emission Rate Limit of 0.115 lb/MMBTU (Basis: CEQA)	N	
Condition 3	Systemwide NOx Emission Rate Limit of 0.105 lb/MMBTU (Basis: CEQA)	N	1/1/2000
Condition 3	Systemwide NOx Emission Rate Limit of 0.057 lb/MMBTU (Basis: CEQA)	N	1/1/2002
Condition 3	Systemwide NOx Emission Rate Limit of 0.037 lb/MMBTU (Basis: CEQA)	N	1/1/2004

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 3	Systemwide NOx Emission Rate Limit of 0.018 lb/MMBTU (Basis: CEQA)	N	1/1/2005
Condition 4	Boilers in Startup or Shutdown, Taken out of Service, on Force Majeure Natural Gas Curtailment, and Oil Testing (Basis: CEQA)	N	
Condition 5	CO Emission Limits (Basis: CEQA)	N	
Condition 6	Ammonia Emission Limits (Basis: CEQA)	N	
Condition 7	Startup Provision (Basis: CEQA)	N	
Condition 8	Shutdown Provision (Basis: CEQA)	N	
Condition 9	Continuous Emission Monitoring Systems (CEMS) Requirements (Basis: CEQA)	N	
Condition 10	Fuel Meter Requirements (Basis: CEQA)	N	
Condition 11	Ammonia Emission Limit (Basis: CEQA)	N	
Condition 12	Recordkeeping Requirements (Basis: CEQA)	N	

Table IV-B
S-10 Gas Turbine Unit No. 4-Engine "A"
S-11 Gas Turbine Unit No. 4-Engine "B"
S-12 Gas Turbine Unit No. 5-Engine "A"
S-13 Gas Turbine Unit No. 5-Engine "B"
S-14 Gas Turbine Unit No. 6-Engine "A"
S-15 Gas Turbine Unit No. 6-Engine "B"

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	N	
6-305	Visible Particulates	Y	

IV. Source-Specific Applicable Requirements (continued)

6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
SIP Regulation 6	**Particulate Matter and Visible Emissions**		
6-301	Ringelmann Number 1 Limitation (9/5/79)	Y[1]	

Table IV-B (continued)
S-10 Gas Turbine Unit No. 4-Engine "A"
S-11 Gas Turbine Unit No. 4-Engine "B"
S-12 Gas Turbine Unit No. 5-Engine "A"
S-13 Gas Turbine Unit No. 5-Engine "B"
S-14 Gas Turbine Unit No. 6-Engine "A"
S-15 Gas Turbine Unit No. 6-Engine "B"

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission Limitation	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (5/3/84)**		
9-1-301	Limitations on Ground Level Concentrations	Y[1]	
BAAQMD Regulation 9, Rule 9	**Inorganic Gaseous Pollutants, Nitrogen Oxides From Stationary Gas Turbines (9/21/94)**		
9-9-114	Exemption, Start-up and Shutdown Periods	Y	
9-9-302	Emission Limits, Low Usage	Y	
9-9-502	Records, Low Usage	Y	
BAAQMD Cond #15816			
Part 1	Visible emissions monitoring	Y	
Part 2	Recordkeeping for visible emissions monitoring	Y	

IV. Source-Specific Applicable Requirements (continued)

Part 3	Water injection	Y	
Part 4	Fuel specification	Y	
Part 5	Hours of operation limitation	Y	
Part 6	Recordkeeping	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-C
S-27, Oily-Water Separator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water) Separator (6/15/94)**		
8-8-112	Exemption, Wastewater Critical Organic Compound Concentration And/Or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	Y	
8-8-303	Gauging and Sampling Devices	Y	
8-8-305	Oil-Water Separator And/Or Air Flotation Unit Slop Oil Vessels	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-502	Wastewater Critical Organic Compound Concentration And/Or Temperature Records	Y	
8-8-503	Inspection and Repair Records	Y	

Table IV-D
S-50, Paint Spraying, Facility-Wide

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	**Organic Compounds, Surface Coating of Miscellaneous Metal Parts and Products (12/20/95)**		
8-19-302	Limits	Y	
8-19-307	Prohibition of Specification	Y	
8-19-308	Compliance Statement Requirement	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-D
S-50, Paint Spraying, Facility-Wide

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-19-501	Records	Y	

Table IV-D (continued)
S-50, Paint Spraying, Facility-Wide

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 23	**Organic Compounds - Coating of Flat Wood Paneling and Wood Flat Stock (12/20/95)**		
8-23-301	VOC Limits	Y	
8-23-401	Coating List Requirement	Y	
8-23-501	Records	Y	
BAAQMD Regulation 8, Rule 31	**Organic Compounds - Surface Coating of Plastic Parts and Products (12/20/95)**		
8-31-302	VOC Limit	Y	
8-31-306	Flexible Coatings	Y	
8-31-307	Prohibition of Specification	Y	
8-31-308	Compliance Statement Requirements	N	
8-31-309	VOC Limits	Y	
8-31-310	Spray Application Equipment Requirements	Y	
8-31-320	Solvent Evaporative Minimization Requirements	Y	
8-31-401	Coating Petition	Y	
8-31-501	Records	Y	
BAAQMD Condition #6062	**Permit Conditions**		
Condition 1	Total Paint Usage Limit (basis: cumulative increase)	Y	
Condition 2	Total Cleanup Solvent Limit (basis: cumulative increase)	Y	
Condition 3	VOC Content Limit (basis: BAAQMD Regulation 8-19-302.2)	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-D (continued)
S-50, Paint Spraying, Facility-Wide

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 4	Record Keeping Provisions for Adding Components To Coatings (basis: BAAQMD Regulation 8-19-501.2)	Y	
Condition 5	Coating and Cleanup Solvent Log (basis: BAAQMD Regulation 8-19-501)	Y	

Table IV-E
S-51, Wipe Cleaning, Facility-Wide

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 16	**Organic Compounds, Solvent Cleaning Operations (6/15/94)**		
BAAQMD 8-16-111	Exemption, Wipe Cleaning	Y	
BAAQMD 8-16-304	Trichloroethylene Limitation	Y	
BAAQMD 8-16-501	Solvent Records	Y	
BAAQMD Condition #6062	**Permit Conditions**		
Condition 1	1, 1, 1-trichloroethane Usage Limit (basis: cumulative increase)	N	
Condition 2	Storing Cloth or Paper Impregnated With 1, 1, 1-trichloroethane (basis: BAAQMD Regulation 8-1-320)	Y	
Condition 3	1, 1, 1-trichloroethane Records, Five Year Maintenance (basis: BAAQMD Regulation 8-16-501)	Y	

IV. Source-Specific Applicable Requirements (continued)

Condition 3a	1, 1, 1-trichloroethane Records, Daily Usage (basis: cumulative increase)	N	
Condition 3b	1, 1, 1-trichloroethane Records, VOC Content (basis: BAAQMD Regulation 8-4-501.1)	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-F
S-52, Abrasive Blasting Facility
S-53, Hopper & Cleaners
S-54, Conveyor System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
CA Title 17	**State Provisions for Sandblasting**	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
SIP Regulation 6	**Particulate Matter and Visible Emissions (6/16/83)**		
6-301	Ringelmann Number 1 Limitation (9/5/79)	Y[1]	
BAAQMD Condition #7512	**Permit Conditions**		
Condition 1	Ringelmann Limit (basis: cumulative increase)	Y	
Condition 2	Aluminum Oxide Monthly Usage Limit (basis: cumulative increase)	Y	
Condition 3	Abrasive Blasting Material Daily Usage Limit (basis: cumulative increase)	Y	
Condition 4	Dust Collector System Requirement (basis: cumulative increase)	Y	
Condition 5	Particulate Loading Limit (basis: cumulative increase)	Y	
Condition 6	Records (basis: cumulative increase)	Y	

[1] There are differences between the current BAAQMD rule and the version of the rule in the SIP. For specific information, contact the District's Rule Development Section of the Enforcement Division. All sources must comply with both versions of the rule until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

V. SCHEDULE OF COMPLIANCE

The permit holder shall continue to comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit.

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

A. Source Specific Permit Conditions

Condition # 6062
For S-50 Paint Spraying, Facility-Wide

1. Total paint usage shall not exceed 1095 gallons in any consecutive 12 month period. (basis: cumulative increase)

2. Total cleanup solvent usage shall not exceed 100 gallons in any consecutive 12 month period. (basis: cumulative increase)

3. The maximum VOC content of any coating, as applied, shall not be greater than 2.8 lb/gal. (basis: BAAQMD Regulation 8-19-302.2)

4. Catalysts, hardeners, reducers, thinning solvents, and other components shall only be added to coating in proportions not exceeding the manufacturer's recommendations for the coatings complying with Regulation 8, Rule 19 - Surface Coating of Miscellaneous Metal Parts and Products, Rule 23 - Coating of Flatwood Paneling, and Rule 31 - Surface Coating of Plastic Parts and Products. (basis: Regulation 8-19-501.2)

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition # 6062 (continued)
For S-50 Paint Spraying, Facility-Wide

5. Usage of all coatings and cleanup solvents shall be recorded in the District-approved log and retained for at least five years from the date of entry. This log will contain the following information:
   a) Coating, catalysts, and reducers used (product identification numbers),
   b) mix ratio of components used,
   c) VOC content of coating as applied,
   d) quantity of coating applied,
   e) type and amount of all surface preparation and clean up solvents used at this source.

This log shall be kept on site and made available to the District staff on request. (basis: BAAQMD Regulation 8-19-501)

For S-51 Wipe Cleaning, Facility-Wide

1.* Total amount of 1,1,1-trichloroethane used at this source shall not exceed 55 gallons in any consecutive 12 month period or previous 12 (twelve) months. (basis: cumulative increase)
2. Cloth or paper impregnated with 1,1,1-trichloroethane shall be stored or disposed of in closed containers. (basis: BAAQMD Regulation 8-1-320)
3. Fresh or spent 1,1,1-trichloroethane shall be recorded in a District approved log and retained for at least five years from the date of entry. This log will contain the following information: (basis: BAAQMD Regulation 8-16-501)
   a)* Daily amount of 1,1,1-trichloroethane used, (basis: cumulative increase)
   b) Volatile organic compound (VOC) content of 1,1,1-trichloroethane. (basis: BAAQMD Regulation 8-4-501.1)

   This log shall be kept on site and made available to District staff on request. (basis: BAAQMD Regulation 8-4-501 & 8-16-501)

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition # 7512
For S-52, Abrasive Blasting Facility
S-53, Hopper & Cleaners
S-54, Conveyor System
A-52, Dust Collector System

1. Visible particulate emissions from this blasting facility, including S-52, S-53, S-54, and A-52, shall not exceed Ringelmann 1.0 or result in fallout on adjacent property in such quantities as such to cause public nuisance per Regulation 1-301. (basis: cumulative increase)

2. The total amount of abrasive used at Abrasive Blasting Facility (S-52, S-53, and S-54) shall not exceed 1,700 tons of aluminum oxide during any consecutive 12 month period. (basis: cumulative increase)

3. The total amount of abrasive used at S-52, S-53, and S-54 shall not exceed 13.1 tons during any day. (basis: cumulative increase)

4. Emissions from Abrasive Blasting Facility S-52, S-53, and S-54 shall be abated by the properly maintained Dust Collector System, A-52, at all times that S-52, S-53, and or S-54 are in operation. A District-approved dust collector failure warning device must be in operation at all such times. (basis: cumulative increase)

5. The particulate loading at the exit of A-52, dust collector, shall not exceed 0.002 grain/dscf. (basis: cumulative increase)

6.* Within 60 days of startup of S-52, S-53, S-54, and A-52, the owner or operator shall perform a source test, approved by the District's Source Test Manager, on S-52, S-53, S-54, and A-52 to determine compliance with Condition 5 above. The source test shall be conducted with S-52, S-53, and S-54 operating at the full rated capacity of 1.31 ton/hour.(basis: performance testing)

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition # 7512 (continued)
For S-52, Abrasive Blasting Facility
S-53, Hopper & Cleaners
S-54, Conveyor System
A-52, Dust Collector System

7. In order to demonstrate compliance with the above conditions, the owner/operator of S-52, S-53, S-54, and A-52 shall maintain the following records in a District-approved log. These records shall be kept on site and made available for District inspection for a period of five years from the date that the record was made.
   a) Daily throughput of abrasive blasting material, summarized on a monthly basis.
   b) Daily hours of operation, summarized on a monthly basis. (basis: cumulative increase)

Condition #15816
For S-10, S-11, S-12, S-13, S-14, and S-15 [Gas Turbines]

1. For each emission point at S-10, S-11, S-12, S-13, S-14, and S-15 Gas Turbine, the owner/operator shall follow either a) or b), as appropriate, upon receipt of public complaint, upon obvious emissions, but no less than once each day when operated. The daily inspection shall be conducted while the equipment is operating and during daylight hours. [basis: District Regulations 6-301, 302, 2-6-501]
   a) If three (3) or fewer exceedances have been recorded at any emission point within the last six (6) months, conduct an inspection for visible emissions from that emission point. If any visible emissions, excluding condensed water vapor, are detected during an inspection and the emissions are observed continuously or intermittently for three (3) minutes, the owner/operator shall either:
      (i) Take corrective actions that eliminate the visible emissions and report the visible emission as a potential exceedance. If all visible emissions are not eliminated through corrective actions as soon as possible but no later than within 24 hours, the procedure in paragraph (ii) below shall be followed; or

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #15816 (continued)
For S-10. S-11, S-12, S-13, S-14, and S-15 [Gas Turbines]

(ii) Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures outlined in the CARB manual, "Visible Emissions Evaluation" for six (6) minutes within three (3) days and record the results of the reading. The certified smoke-reader shall continue to conduct the Method 9 or CARB Visible Emission Evaluation on a daily basis until the daily reading shows compliance with the applicable limit or until the equipment is shut down.

b. If more than three (3) exceedances have been recorded at any emission point within the last six (6) months, a CARB-certified smoke reader shall conduct either an EPA Method 9 or the procedures outlined in the CARB manual, "Visible Emissions Evaluation" for six (6) minutes at that emission point.

2. For each turbine covered by permit condition no. 1 above, the owner/operator shall record and maintain the following records: [basis: District Regulation 2-6-501]
   a) each day monitoring under 1(a) or 1(b) is required:
      i) date and time of inspection, and name of inspector
      ii) stack or emission point identification

   b) each day for each emission point where corrective action is required under 1(a)(I):
      i) nature of visible emissions
      ii) description of corrective actions taken to abate visible emissions
      iii) date and time visible emission was abated

   c) each day for each emission point where EPA Method 9 or CARB visible emission evaluation is required under (1)(b) or (1)(a)(ii):
      i) visible emission observation record by a certified smoke reader
      ii) name of person performing the inspection, measurement, or monitoring

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #15816 (continued)
For S-10. S-11, S-12, S-13, S-14, and S-15 [Gas Turbines]

The records shall be retained for five (5) years and shall be made available to District personnel upon request.

3. S-10, S-11, S-12, S-13, S-14, and S-15 shall be abated at all times of operation by a properly operated and properly maintained water injection system. The weight ratio of water to fuel shall not be less than 0.55 during normal operation. [basis: District Regulation 9-9-302]

4. S-10, S-11, S-12, S-13, S-14, and S-15 Turbines shall be fired exclusively on No. 2 distillate oil or lighter fuel oil with a sulfur content less than 0.5% sulfur by weight. [basis: District Regulation 9-304]

5. S-10, S-11, S-12, S-13, S-14, and S-15 Turbines shall be operated less than 877 hours each in any calendar year unless the emissions requirements of District Regulation 9-9-301 are met. [basis: District Regulations 6-310; 9-9-301, 302]

6. In order to demonstrate compliance with the above permit conditions numbers 3, 4, and 5, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five (5) years from the date on which a record is made. [basis: District Regulation 2-6-501]

    a. The water to fuel weight ratio for each turbine on a daily basis when operating.
    b. The type of fuel and sulfur content of the fuel fired.
    c. The total number of hours of operation, totaled on a monthly basis.

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #16328
For S-1 [Boiler]

[Basis for Condition Nos. 1 through 12: Originally derived from District Regulation 9, Rule 11, and subsequently extended under authority of CEQA Mitigation Measure 4.5-5, Final EIR, as certified by the CEQA Lead Agency, CPUC Commissioners Decision 98-11-064, Nov. 19, 1998.]

[Any ambiguities in these conditions should generally be interpreted in a manner consistent with Regulation 9, Rule 11 unless the context indicates otherwise. These conditions shall be rescinded by the District upon amendment of Regulation 9, Rule 11 to expressly apply to all owners and operators of electric power generating steam boilers with a rated heat input capacity of 250 million BTU/hour or greater.]

Any condition that is preceded by an asterisk (*) is not federally enforceable.

1.* For the purposes of this permit, the term "electric power generating system" shall refer to the combined total of all steam boilers, each with a rated heat input capacity greater than or equal to 250 million BTU/hour, used for electric power generation in the District, that are owned and/or operated by person or persons under common ownership or contractual obligation. The term "systemwide NOx emission rate" shall refer to the ratio of the total mass of discharge of nitrogen oxides in pounds from all such affected steam boilers of the electric power generating system of which they are a part, to the sum of the actual heat input to those boilers in million BTU, calculated on a clock-hour basis. Condition Nos. 1 through 12 shall continue to apply regardless of any change in ownership or composition of the electric power generating system or other occurrence that removes or may remove the owner or operator of the affected boilers from the jurisdiction of the CPUC. [Basis: CEQA]

2.* Boiler S-1 shall burn only natural gas unless the gaseous fuel is not available because of a force majeure natural gas curtailment.

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #16328
For S-1 [Boiler]

For the purposes of this permit, force majeure natural gas curtailment is defined as an interruption in natural gas service, such that the daily fuel needs of a boiler cannot be met with natural gas available, due to one of the following reasons:

a. An unforeseeable failure or malfunction, not resulting from an intentional act or omission that the California Public Utilities Commission (CPUC) or the Independent System Operator (ISO) finds to be due to an act of gross negligence on the part of the owner or operator of the boiler; or
b. A natural disaster; or
c. The natural gas is curtailed pursuant to CPUC rules or orders; or
d. The serving natural gas utility provides notice to the District that, with forecasted natural gas supplies and demands, natural gas service is expected to be curtailed pursuant to CPUC or ISO rules or orders.
[Basis: CEQA]

3.* Boiler S-1 and all other electric generating steam boilers in the electric power generating system of which they are a part, are subject to the following systemwide nitrogen oxides (NOx) emission rate limits, expressed as pounds of NOx per million BTU of heat input, calculated on a clock-hour basis, excluding boilers on force majeure natural gas curtailment. These limits become effective on January 1 of the year specified:

1997:	0.188	lb/MMBTU	
1998:	0.160	lb/MMBTU	
1999:	0.115	lb/MMBTU	
2000:	0.105	lb/MMBTU	
2002:	0.057	lb/MMBTU	
2004:	0.037	lb/MMBTU	
2005:	0.018	lb/MMBTU	[Basis: CEQA]

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #16328
For S-1 [Boiler]

4.* When an affected boiler is in startup or shutdown; taken out of service for repairs, maintenance, and/or inspection; on force majeure natural gas curtailment; or being fired for oil-burn readiness testing, CPUC- or ISO-required performance testing, or oil-burn emission testing required by the APCO; or if NOx or heat input information is unavailable due to equipment breakdown, scheduled maintenance or calibration; the boiler's contribution for the purpose of determining compliance with the applicable systemwide NOx emission rate in Condition No. 3 shall be taken as the average NOx emissions at the average heat input of that unit over the previous thirty (30) operating days on natural gas, subject to the limitations specified in subsection 309.2 of Regulation 9, Rule 11. [Basis: CEQA]

5.* Emissions of CO from Boiler S-1, except during startup or shutdown periods, shall not exceed the following limits:

400 ppmv, dry at 3 percent oxygen, during steady state compliance source tests, using District Source Test Method 6.
1000 ppmv, dry at 3 percent oxygen, during all other periods of operation (CEMS compliance monitoring), based on a clock hour average. [Basis: CEQA]

6.* Emissions of ammonia from Boiler S-1, except during startup or shutdown periods, shall not exceed 10 ppmv, dry at 3 percent oxygen, based on a rolling 60-minute average. [Basis: CEQA]

7.* For the purposes of compliance with the emission limits in Condition Nos. 3, 4, 5, and 6, the duration of each startup period shall not exceed twelve (12) hours unless catalytic reaction temperature has not been reached, if applicable.

Startup is that period of time during which a boiler is brought up to its normal operating temperature and pressure from an inactive status, initially at zero fuel flow, by following a prescribed series of separate steps or operations. [Basis: CEQA]

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #16328
For S-1 [Boiler]

8.* For the purposes of compliance with the emission limits in Condition Nos. 3, 4, 5, and 6, the duration of each shutdown period shall not exceed eight (8) hours.

Shutdown is that period of time during which a boiler is taken out of service from a normal operating mode to an inactive status of no fires by following a prescribed series of separate steps or operations. [Basis: CEQA]

9.* To demonstrate compliance with the NOx and CO emission limits in Condition Nos. 3 and 5, respectively, the owner and/or operator of Boiler S-1 shall install, maintain, and operate District approved, in-stack, continuous emission monitoring systems (CEMS) for NOx, CO, and O_2 or CO_2 (in lieu of O_2). [Basis: CEQA]

10.* To demonstrate compliance with the systemwide NOx emission limits in Condition No. 3, the owner and/or operator of Boiler S-1 shall install, maintain, and operate a District approved, non-resettable, totalizing and continuous recording fuel meter in each fuel line of the boiler. [Basis: CEQA]

11.* To demonstrate compliance with the ammonia emission limit in Condition No 6, the owner and/or operator of Boiler S-1 shall conduct District approved source tests at least once quarterly for each affected boiler that operated during the calendar quarter and is equipped with an ammonia-based NOx emission control device. [Basis: CEQA]

12.* In order to demonstrate compliance with all of the above conditions, the owner and/or operator of Boiler S-1 shall maintain all necessary fuels, emissions, and operational data records in a District approved log kept on site

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #16328
For S-1 [Boiler]

and made available for District staff inspection upon request. The records shall be kept for a period of at least five years from the date a record is made. These records shall include, but are not limited to:

a. Type of fuel burned and its sulfur content; and quantity of fuel burned (BTU/hr), and the injection rate for any reactant chemicals used by the emission control system(s).
b. Continuous emission monitoring measurements for NOx, CO, and O_2 or CO_2.
c. Source test measurements for NOx, CO, O_2, CO_2, and ammonia.
d. Date, time, and duration of any startup, shutdown, or malfunction of any boiler, emission control equipment, or emission monitoring equipment.
e. Results of performance testing, evaluations, calibrations, checks, adjustments, and maintenance of any CEMS.
f. Hourly systemwide NOx emission rate, as prescribed in Condition Nos. 1, 3, and 4. [Basis: CEQA]

VII. APPLICABLE EMISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, either annual (A), quarterly (Q), monthly (M), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII-A
S-1, Utility Boiler 3-1

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	N		Ringelmann No. 1		C	COM
	BAAQM D 6-302	Y		< 20% opacity during any 3 min/hr	BAAQMD 1-520.1	C	COM
	BAAQM D 6-304	Y		Ringelmann No. 2 during tube cleaning		C	COM
	BAAQM D 6-310.3	Y		0.15 grains/dscf @ 6% O_2		N	
	SIP 6-301	Y		Ringelmann No. 1		C	COM
	40 CFR 75	Y		None	40 CFR 75	C	COM
SO_2	BAAQM D 9-1-301	N		GLC[1] of 0.5 ppm for 3 minutes or 0.25 ppm for 60 minutes or 0.05 ppm for 24 hours		N	
	BAAQM D 9-1-302	Y		300 ppmvd		N	

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

	BAAQM D 9-1-304	Y		Sulfur content of non-gaseous fuel <0.5% by weight		N	

Table VII-A (continued)
S-1, Utility Boiler 3-1

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	SIP 9-1-301	Y		Federal std: GLC[1] of 140 ppb, 24-hr average, once/yr and 30 ppb, annual average State std: GLC[1] of 40 ppb, 24-hr average, and 250 ppb, 1 hr average		N	
	40 CFR 75	Y		None	40 CFR 75	P/D (fuel oil only)	fuel analysis
NO_X	BAAQMD 9-3-301	N		175 ppmv @ 3% O_2 (dry basis) for natural gas firing or 300 ppmv @ 3% O_2 (dry basis) for oil firing based on a clock hour average		C	CEMS
	BAAQMD 9-3-302	Y		heat input weighted average of emissions when natural gas and oil fired simultaneously		C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-1, Utility Boiler 3-1

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 9-11-302.1.1	Y		175 ppmv @ 3% O_2 (dry basis) for natural gas firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
NO_X	BAAQMD 9-11-302.1.2	Y		300 ppmv @ 3% O_2 (dry basis) for oil firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-302.1.3	Y		heat input weighted average of emissions when natural gas and oil fired simultaneously	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-308	Y		0.28 lbs/MMBTU system-wide average over previous 30 days	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/99	0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-1, Utility Boiler 3-1

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 9-11-309.1	N	1/1/00	0.105 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/02	0.057 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/04	0.037 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/05	0.018 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	40 CFR 75	Y		None	40 CFR 75	C	CEMS
NO_X	BAAQMD Permit Condition 16328, #3	N		0.188 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16328, #3	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-1, Utility Boiler 3-1

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Permit Condition 16328, #3	N		0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16328, #3	N	1/1/00	0.105 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16328, #3	N	1/1/02	0.057 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16328, #3	N	1/1/04	0.037 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16328, #3	N	1/1/05	0.018 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
CO	BAAQMD 9-11-310.1	Y		400 ppmv @ 3% O_2 (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
CO	BAAQMD 9-11-310.2	Y		1000 ppmv @ 3% O_2 (dry basis) during normal operation based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-1, Utility Boiler 3-1

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Permit Condition 16328, #5a	N		400 ppmv @ 3% O_2 (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16328, #5b	N		1000 ppmv @ 3% O_2 (dry basis) during all operations other than steady state compliance tests on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
Ammonia	BAAQMD 9-11-311	Y		10 ppmv @ 3% O_2 (dry basis) based on rolling 60 minute average upon installation of an applicable control device	BAAQMD 9-11-402	P/Q	Quarterly tests
	BAAQMD Permit Condition 16328, #6	N		10 ppmv @ 3% O_2 (dry basis) based on rolling 60 minute average upon installation of an applicable control device	BAAQMD 9-11-402	P/Q	Quarterly tests
Lead	BAAQMD 11-1-301	Y		6.75 kg/day		N	N/A
	BAAQMD 11-1-302	Y		1.0 $\mu g/m^3$ averaged over 24 hours		N	N/A
CO_2	40 CFR 75	Y		None	40 CFR 75	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-B
S-10, Gas Turbine Unit No. 4-Engine "A"
S-11, Gas Turbine Unit No. 4-Engine "B"
S-12, Gas Turbine Unit No. 5-Engine "A"
S-13, Gas Turbine Unit No. 5-Engine "B"
S-14, Gas Turbine Unit No. 6-Engine "A"
S-15, Gas Turbine Unit No. 6-Engine "B"

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD 6-301	N		Ringelmann No. 1	BAAQMD permit condition 15816 Parts 1, 2	P/D Daily when in use	Visual Inspection and record keeping
	BAAQMD 6-310.3	N		0.15 grains/dscf @ 6% O_2		N	
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD permit condition 15816 parts 1, 2	P/D Daily when in use	Visual Inspection and record keeping

Table VII-B (continued)
S-10, Gas Turbine Unit No. 4-Engine "A"
S-11, Gas Turbine Unit No. 4-Engine "B"
S-12, Gas Turbine Unit No. 5-Engine "A"
S-13, Gas Turbine Unit No. 5-Engine "B"
S-14, Gas Turbine Unit No. 6-Engine "A"
S-15, Gas Turbine Unit No. 6-Engine "B"

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

SO_2	BAAQMD 9-1-301	N		GLC[1] of 0.5 ppm for 3 minutes or 0.25 ppm for 60 minutes or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppmvd		N	
	BAAQMD 9-1-304	Y		Sulfur content of non-gaseous fuel <0.5% by weight	BAAQMD cond #15816, part 6	P/E	fuel analysis
	SIP 9-1-301	N		Federal std: GLC[1] of 140 ppb, 24-hr average, once/yr and 30 ppb, annual average State std: GLC[1] of 40 ppb, 24-hr average, and 250 ppb, 1 hr average		N	
NO_X	BAAQMD 9-9-302 & BAAQMD permit condition 15816 part 5	Y		65 ppmv @ 15% O_2 (dry basis) based on a clock hour average & operation less than 877 hours per calendar year	BAAQMD 9-9-502 & BAAQMD permit condition 15816 part 6	P/D Daily when in use	Record-keeping
Water injection rate	Record-keeping	Y		Weight ratio of water to fuel not less than 0.55	BAAQMD permit condition 15816 part 6	P/D Daily when in use	Record-keeping
Fuel oil restriction	BAAQMD permit condition 15816 part 4	Y		Use of No. 2 or lighter oil.	BAAQMD permit condition 15816 part 6	P/D Daily when in use	Record-keeping

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-C
S-27, Oily-Water Separator

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-112	Y	current	1.0 ppm critical organic compounds @ 68 °F	N/A	P/ Semi-annual	Sampling

Table VII-D
S-50, Paint Spraying, Facility-Wide

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-19-302 And BAAQMD Permit Condition 6062 part 3	Y		content of air dried coating < 2.8 lb/gal	Regulation 8-19-501	P/E	Records
	BAAQMD Regulation 8-19-312	Y		content of coatings < specified VOC content	Regulation 8-19-501	P/E	Records
	BAAQMD Regulation 8-23-301	Y		content of coatings < 2.1 lb/gal	Regulation 8-23-501	P/E	Records
	BAAQMD Regulation 8-31-302	Y		content of coatings < specified VOC content	Regulation 8-31-501	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-D (continued)
S-50, Paint Spraying, Facility-Wide

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-31-306	Y		content of coatings < specified VOC content	Regulation 8-31-501	P/E	Records
	BAAQMD Regulation 8-31-309	Y		content of coatings < specified VOC content	Regulation 8-31-501	P/E	Records
Paint Usage	BAAQMD Permit Condition 6062 part 1	Y		1095 gal/yr in any 12 consecutive months	BAAQMD Permit Condition 6062 part 5	P/E	Records
Cleanup Solvent Usage	BAAQMD Permit Condition 6062 part 2	Y		100 gal/yr in any 12 consecutive months	BAAQMD Permit Condition 6062 part 5	P/E	Records

Table VII-E
S-51, Wipe Cleaning, Facility-Wide

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-16-304	Y		Trichloroethylene usage $\leq$ 3.2 gallons per day	8-16-501	P/E	Records
1,1,1-trichloroethane	BAAQMD Permit Condition 6062 part 1	N		55 gallons in any 12 consecutive months	BAAQMD Permit Condition 6062 part 3	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-F
S-52, Abrasive Blasting Facility
S-53, Hopper and Cleaners
S-54, Conveyor System

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301 And BAAQMD Permit Condition 7512 part 1	Y		Ringelmann No. less than 1 for more than 3 minutes	BAAQMD Permit Condition 7512, part 4	C	Differential Pressure Failure Warning System
	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume		N	
	BAAQMD Regulation 6-311	Y		No emissions from source > rate (lb/hour)		N	
	SIP 6-301	Y		Ringelmann No. 1		C	Differential Pressure Failure Warning System
	BAAQMD Permit Condition 7512 part 1	Y		Particulate loading < 0.002 grain/dscf		N	
Abrasive Usage	BAAQMD Permit Condition 7512 parts 2 and 3	Y		1,700 tons/yr and 13.1 tons/day	BAAQMD Permit Condition 7512 part 6	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII - Applicable Emission Limits & Compliance Monitoring Requirements, of this permit

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 6-304	Tube Cleaning	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
SIP Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 8-3-302	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD Regulation 8-3-304	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-5-117	Storage of Organic Vapor Liquids; Exemption, Low Vapor Pressure	District Manual of Procedures, Volume III, Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks
BAAQMD 8-8-112	Wastewater (Oil-Water) Separators; Exemption Wastewater Critical Organic Compound Concentration and/or Temperature	Manual Procedures, Volume III, Lab Method 33, Wastewater Analysis for Critical Organic Compounds

VIII. Test Methods (continued)

Table VIII (continued)

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-19-302	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A, Determination of Emissions of Volatile Organic compounds If EPA Method 25 or 25A is used, control device equivalency (if applicable) is determined as prescribed in 55 FR 26865
BAAQMD Regulation 8-19-312	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A, Determination of Emissions of Volatile Organic Compounds If EPA Method 25 or 25A is used, control device equivalency (if applicable) is determined as prescribed in 55 FR 26865
BAAQMD Regulation 8-23-301	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings

VIII. Test Methods (continued)

Table VIII (continued)

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-31-302	VOC Limit	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume III, Method 31, Determination of Precursor Organic Compounds in Paint Strippers for Aerospace Assembly and Component Coating Operations
BAAQMD Regulation 8-31-306	Flexible Coatings	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD Regulation 8-31-309	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 9-1-302	General Emission Limits	Manual of Procedures, Volume IV, ST-19 A or B, Sampling and Analysis of Gas Streams; Manual of Procedures, Volume III, Method 10, Sulfur Content of Fuels
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-3-301	NOx Emissions for Units Rated at 1.75 billion BTU Per Hour or More	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6

VIII. Test Methods (continued)

Table VIII (continued)

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-9-302	NOx Emissions from Stationary Gas Turbines	District Manual of Procedures, Volume IV, ST-13A or B, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen
BAAQMD 9-11-302	NOx Emissions from Utility Electric Power Generating Boilers, Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.1	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.2	NOx Emissions from Utility Electric Power Generating Boilers, Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.3	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel and Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-308	System-wide NOx Emission Rate Limit	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309	Advanced Technology Alternative Emission Control Plan	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide

VIII. Test Methods (continued)

Table VIII (continued)

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-11-309.1	System-wide NOx Emission Rate Limits	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-310.1	CO Emission Limits During Steady-State Compliance Tests	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6,
BAAQMD 9-11-310.2	CO Emission Limits During Normal Operations	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	District Manual of Procedures, Volume IV, ST-1B, EPA Method 350.3 and Determination of Ammonia, or alternative method approved by the APCO
BAAQMD 11-1-301	Hazardous Pollutants, Lead, Daily Emissions	District Manual of Procedures, Volume IV, ST-9, Determination of Daily Emission Limits
BAAQMD Permit Condition 16328, #3	System-wide NOx Emission Rate Limits	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD Permit Condition 16328, #5a	CO Emission Limits During Steady-State Compliance Tests	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6,
BAAQMD Permit Condition 16328, #5b	CO Emission Limits During All Operations Other Than Steady-State Compliance Tests	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD Permit Condition 16328, #6	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	District Manual of Procedures, Volume IV, ST-1B, EPA Method 350.3 and Determination of Ammonia, or alternative method approved by the APCO

VIII. Test Methods (continued)

IX. TITLE IV ACID RAIN PERMIT

Effective January 1, 1998 through December 31, 2002

ISSUED TO:

Southern Energy California
Potrero Power Plant
P.O. Box 192
Pittsburg, CA 94565

PLANT SITE LOCATION:

1201 Illinois Street
San Francisco, CA 94107

ISSUED BY:

Ellen Garvey, Executive Officer/
Air Pollution Control Officer

Date

Type of Facility: **Electric Generation**
Primary SIC: **4911**
Product: **Electricity**

DESIGNATED REPRESENTATIVE:
Name: Mark A. Gouveia
Title: Production Manager
Phone: (925) 427-3510

ALTERNATE DESIGNATED REPRESENTATIVE:
Name: Ronald M. Kino
Title: Environmental, Health and Safety Manager

IX. Acid Rain Permit (continued)

Phone: (925) 427-3545

ACID RAIN PERMIT CONTENTS

1) Statement of Basis

2) SO_2 allowance allocated under this permit and NOx requirements for each affected unit.

3) Comments, notes and justifications regarding permit decisions and changes made to the permit application forms during the review process, and any additional requirements of conditions.

4) The permit application submitted for this source. The owners and operators of the source must comply with the standard requirements and special provisions set forth in he application.

1) STATEMENT OF BASIS

Statutory and regulatory Authorities: In accordance with District Regulation 2, Rule 7 and Titles IV and V of the Clean Air Act, the Bay Area Air Quality Management District issues this permit pursuant to District Rule Regulation 2, Rule 7.

2) SO2 ALLOWANCE ALLOCATIONS

	Year	1998	1999	2000	2001	2002
	SO_2 allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	321*	321*	321*
BOILER 3-1 BAAQMD S-1	NOx Limit	This unit is not subject to the NOx requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

* The number of allowances allocated to Phase II affected units by U.S. EPA may change in a 1998 revision to 40 CFR part 73 Tables 2, 3, and 4. In addition, the number of allowances

IX. Acid Rain Permit (continued)

actually held by an affected source in a unit account may differ from the number allocated by USEPA. Neither of the aforementioned conditions necessitate a revision to the unit SO_2 allowance allocations identified in this permit.

3) COMMENTS, NOTES AND JUSTIFICATIONS

None

4) PERMIT APPLICATION

Attached

X. GLOSSARY

AB 2588
California Assembly Bill 2588 (Air Toxic "Hot Spots" Program)

APCO
Air Pollution Control Officer

ASTM
American Society for Testing and Materials

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEMS
Continuous Emission Monitoring System

CEQA
California Environmental Quality Act

CFR
The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO
Carbon Monoxide

Cumulative Increase
The sum of permitted emissions from each new or modified source since a specified date. Used to determine whether threshold-based requirements are triggered.

IX. Acid Rain Permit (continued)

X. Glossary (continued)

District
The Bay Area Air Quality Management District

EPA
The federal Environmental Protection Agency

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPS), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FR
Federal Register

HAP
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

Major Facility
A facility with potential emissions of regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

MFR
Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP
The District's Manual of Procedures

N/A
Not applicable

NAAQS
National Ambient Air Quality Standards

NESHAPS

X. Glossary (continued)

National Emission Standards for Hazardous Air Pollutants (Contained in 40 CFR Part 61)

NMHC
Non-methane Hydrocarbons

NOx
Oxides of nitrogen

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

NSR
New Source Review. A federal program for preconstruction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any on-site contemporaneous emission reduction credits. Applies to emissions of POC, NO_X, PM10, and SO_2.

PG&E
Pacific Gas & Electric Company

Phase II Acid Rain Facility
A facility that generates electricity for sale through fossil-fuel combustion and by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM10

X. Glossary (continued)

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

SIP
State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO_2
Sulfur dioxide

ST
Source test

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

Units of Measure:

BTU	=	British Thermal Unit
dscf	=	dry standard cubic feet
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
max	=	maximum
min	=	minute

X. Glossary (continued)

MM	=	million
ppmv	=	parts per million, by volume
psia	=	pounds per square inch, absolute

XI. APPENDIX A - APPLICABLE STATE IMPLEMENTATION PLAN

See Attachments